Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Thursday 22 Dec 2022 until 23:59 on Friday 23 Dec 2022

Forecast Issued on Wednesday 21 Dec 2022 at 16:45

Confidence: Medium at best with doubts over northern extent of cloud and band of rain on Thursday. Confidence growing for an unsettled period through the remainder of the forecast period, with a deepening low moving northeast across the northern Scotland, and colder later Christmas Day.

Headline for Thursday 22 Dec 2022: Generally cloudy with occasional light rain.

Mountain weather hazards on Thursday 22 Dec 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
			FOG			FOG	FOG
Partly cloudy (night)	Partly cloudy (night)	Partly cloudy (night)	Fog	Light rain	Light rain	Fog	Fog
Precipitation probability							
<05%	<05%	10%	30%	50%	70%	30%	30%

Forecast for Thursday 22 Dec 2022

Weather: Mainly dry overnight with clear spells, but cloud increasing towards dawn. Then a mostly cloudy day with occasional patchy rain edging north through the morning and early afternoon. The rain is expected to be patchier through the late afternoon and evening.

Chance of cloud-free hill tops above 600m: Around 40% at first falling close to zero through the morning.

Low cloud and visibility: Occasional or periods of cloud above about 600m at first becoming persistent above 300-450m, with patches below. Away from cloud, visibility good falling to several kilometres in rain.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Thursday 22 Dec 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	19/27 SW	17/24 SW	14/19 SW	12/16 S	9/13 W	7/10 W	7/10 W	7/10 S	7/10 SE
300	13/23 SW	11/19 SW	8/14 S	6/11 S	5/8 NW	5/7 SW	4/6 SW	4/6 SW	3/6 E
Valley	6/20 SW	5/17 SW	4/13 S	4/10 S	3/8 SW	3/7 SW	3/7 S	3/6 SE	3/7 SE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-4	2/-3	3/-2	3/-1	3/0	3/1	3/-0	2/-0	2/-1
300	4/0	5/1	5/2	5/3	6/4	6/4	5/3	4/3	4/2
Valley	4/1	4/2	4/3	5/3	6/5	6/5	5/4	4/3	4/2
Freezing Level*	1000m	1000m	1200m	1300m	1400m	1300m	1200m	1200m	1100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Feeling cold on higher peaks, especially through the morning.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Wed 21 Dec 2022	0.4mm	9mm	12.8mm

Forecast for Friday 23 Dec 2022

Weather: A few spots of rain at first but generally dry and cloudy overnight. Then a cloudy day with outbreaks of rain spreading northeast through the morning. The rain becomes more persistent and occasionally heavy by midday, before clearing to showers through the evening.

Maximum wind: Easterly or southeasterly 10mph or less increasing 15-20mph by dawn, then veering southwesterly in the evening.

Chance of cloud-free hill tops above 600m: Near zero through much of the day, improving in evening.

Low cloud and visibility: Periods or persistent cloud above about 450-600m, lowering to 300m at times in more persistent rain, cloud then becoming more occasional above 450-600m in evening. Away from cloud visibility good or very good falling to a few kilometres in heavier rain.

Temperature: **Valleys:** Around plus 3 or 4 Celsius at dawn rising to plus 7 or 8 Celsius by day
At 600m: Around plus 3 or 4 Celsius
Freezing level: Above the summits

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